

ELEMENTS & THE PERIODIC TABLE

5.5

Groups-

Periods-

Metals-

Non-metals-

Metalloids-

Alkali metals-

Alkaline earth metals-

Noble Gases-

Transition metals-

Groups- vertical columns (aka families) -similar properties and same number of valence electrons

Metals- left side of staircase form cations

Non-metals- right side of staircase form anions

Metalloids- touch staircase ← • not Al

Alkali metals- group 1

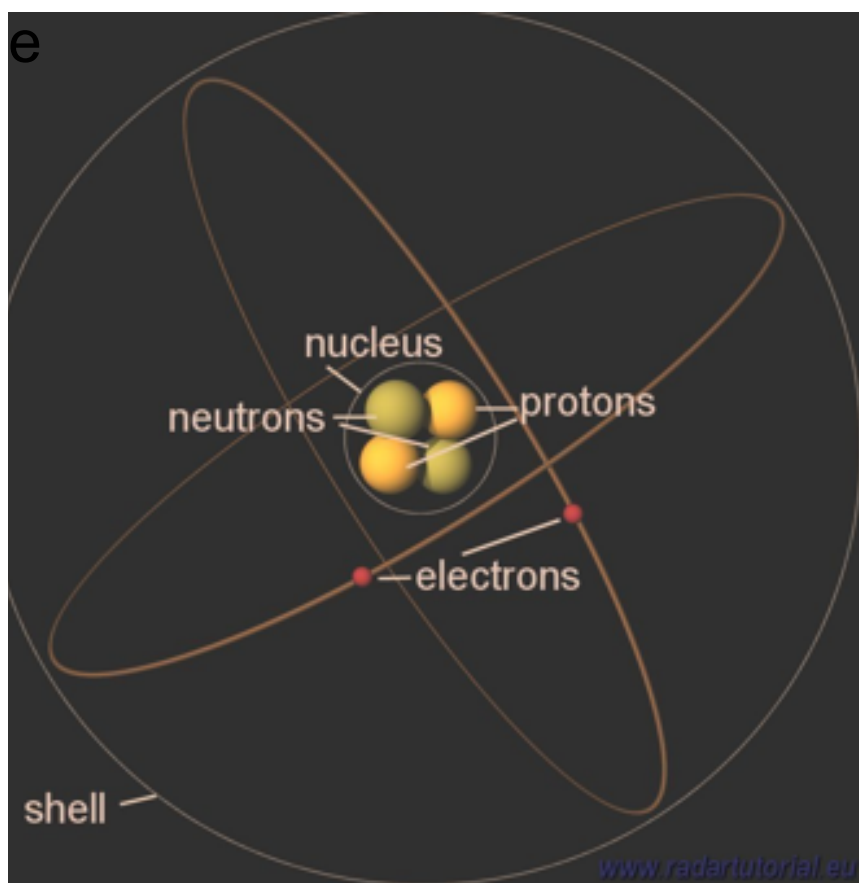
Alkaline earth metals- group 2

Halogens- group 17

Noble Gases- group 18

Transition metals- block in middle

Periods- rows on the table aka energy level
-electron shell or orbit



Parts of The Atom

- An atom is composed of subatomic particles: Protons, Neutrons, and Electrons.
- Protons are positively charged particles located in the nucleus and along with the Neutrons make up the mass of an atom.
- Electrons have negligible mass, are negatively charged, and are found in the shells around the atom.